ional Application No IB2004/050990

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B26B19/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{ccc} \text{Minimum documentation searched (classification system followed by classification symbols)} \\ IPC & 7 & B26B \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## EPO-Internal

C. DOCUME	NTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 442 596 A (IWANAGA KOUICHI ET AL) 17 April 1984 (1984-04-17) column 2, lines 19-67; figures 2,3	1-3,5
X	US 3 369 294 A (WILLIAMSON JOHN G ET AL) 20 February 1968 (1968-02-20) column 3, line 45 - column 4, line 46 column 6, lines 4-48; figures 4,6	1,3,5
Α	US 4 363 169 A (NASU SATARO ET AL) 14 December 1982 (1982-12-14) column 3, line 56 - column 4, line 31; figure 6	1
A	US 4 549 352 A (OCHIAI MASAHIKO ET AL) 29 October 1985 (1985-10-29) abstract; figures 4,5,12	1

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χ Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filling date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another clation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  27 September 2004	Date of mailing of the international search report $06/10/2004$
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Rattenberger, B

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